I-29 Exit 77 (41st Street) Crossroad Corridor Study

Public Meeting/Open House April 12, 2011



Steering Committee







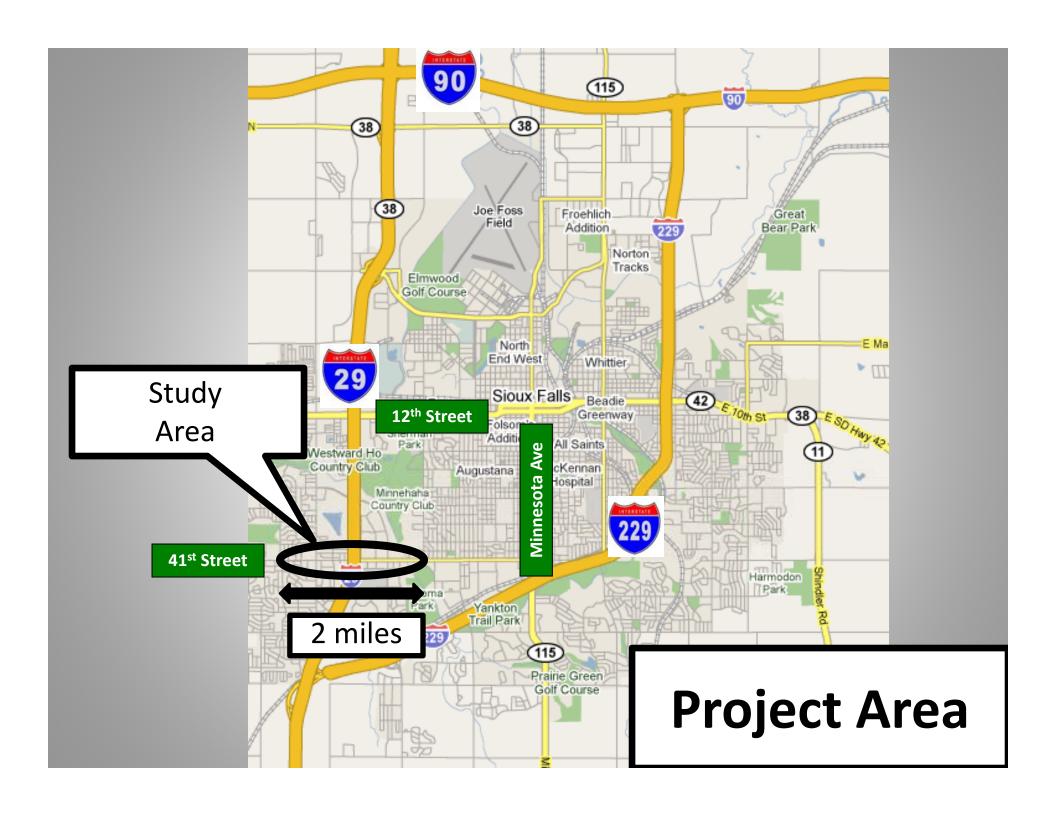


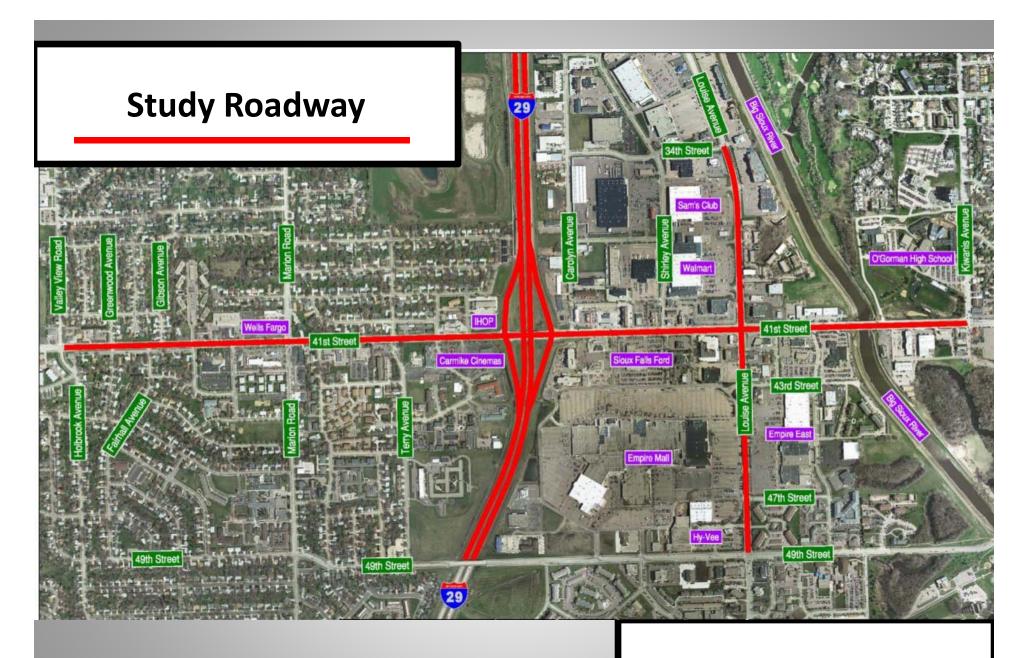


Presentation outline:

- Project Area
- •2011 I-29 Reconstruction
- •2010 SDDOT Interstate Study
- •I-29/41st St. Interchange Options
- •41st St./Louise Ave. Considerations
- Next Steps
- Questions and Comments

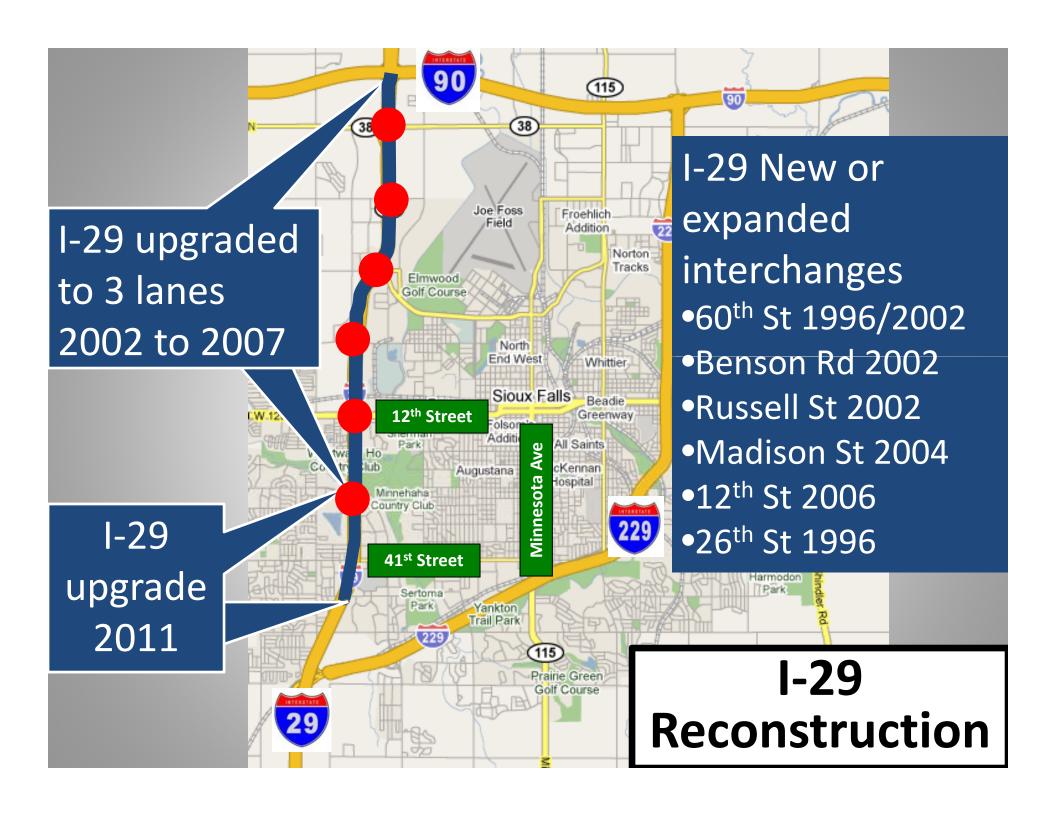
Project Area



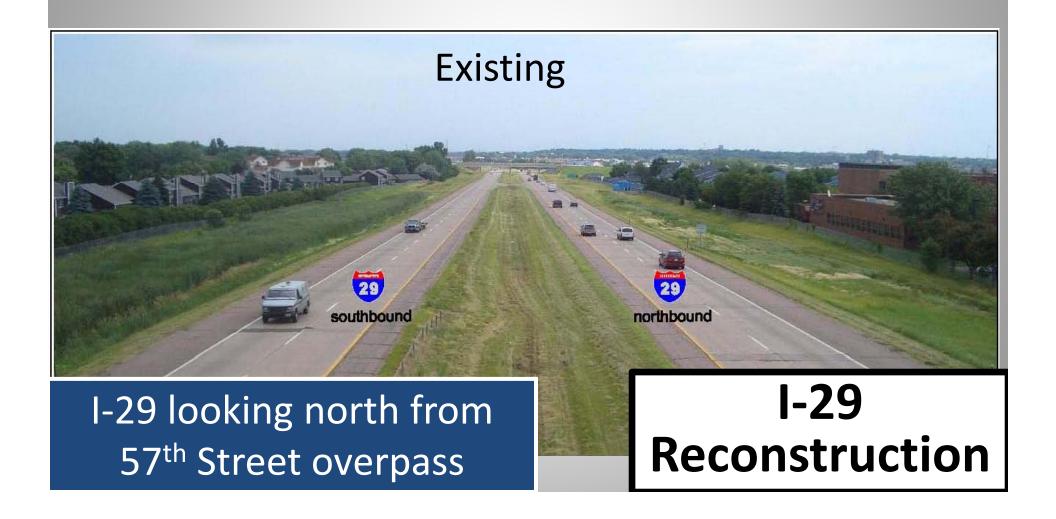


Project Area

I-29 Reconstruction Project

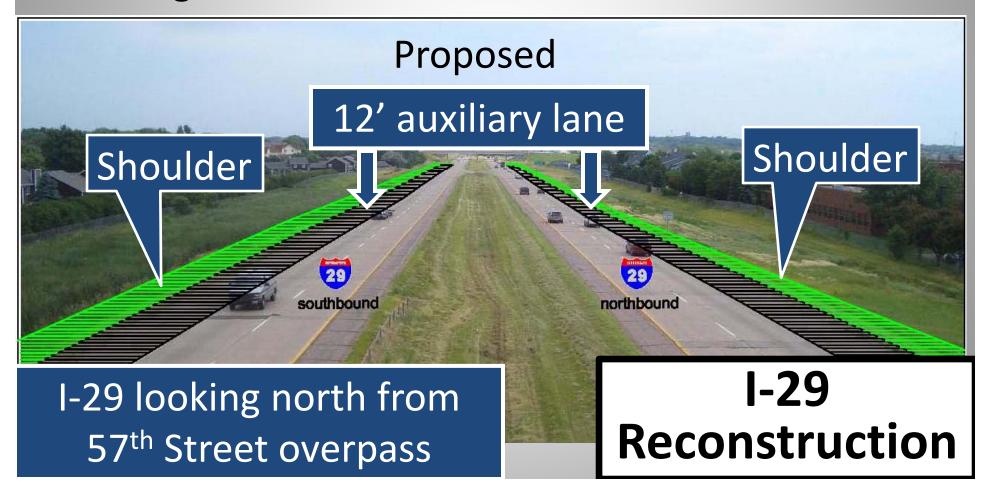


I-29 Reconstruction Project



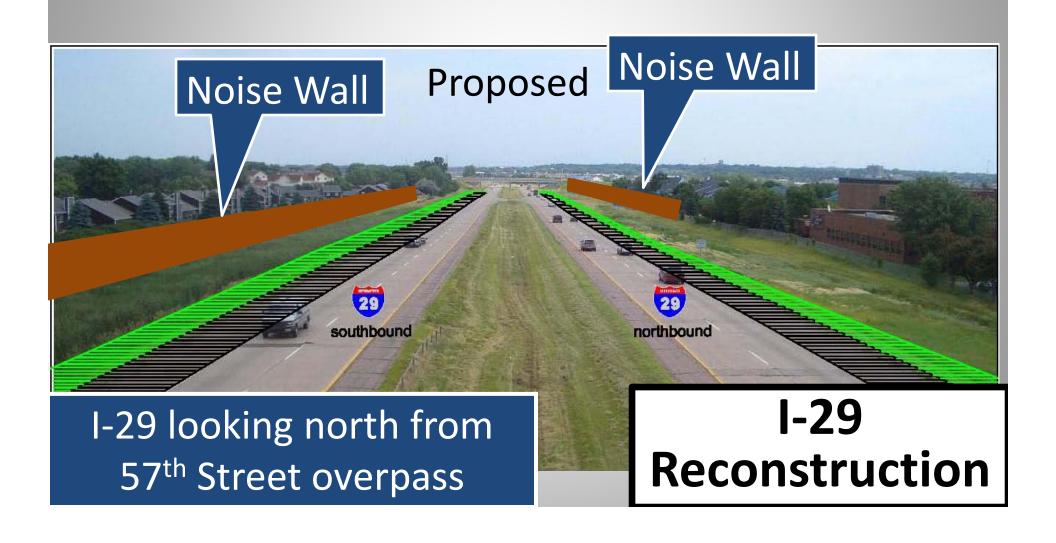
I-29 Reconstruction Project

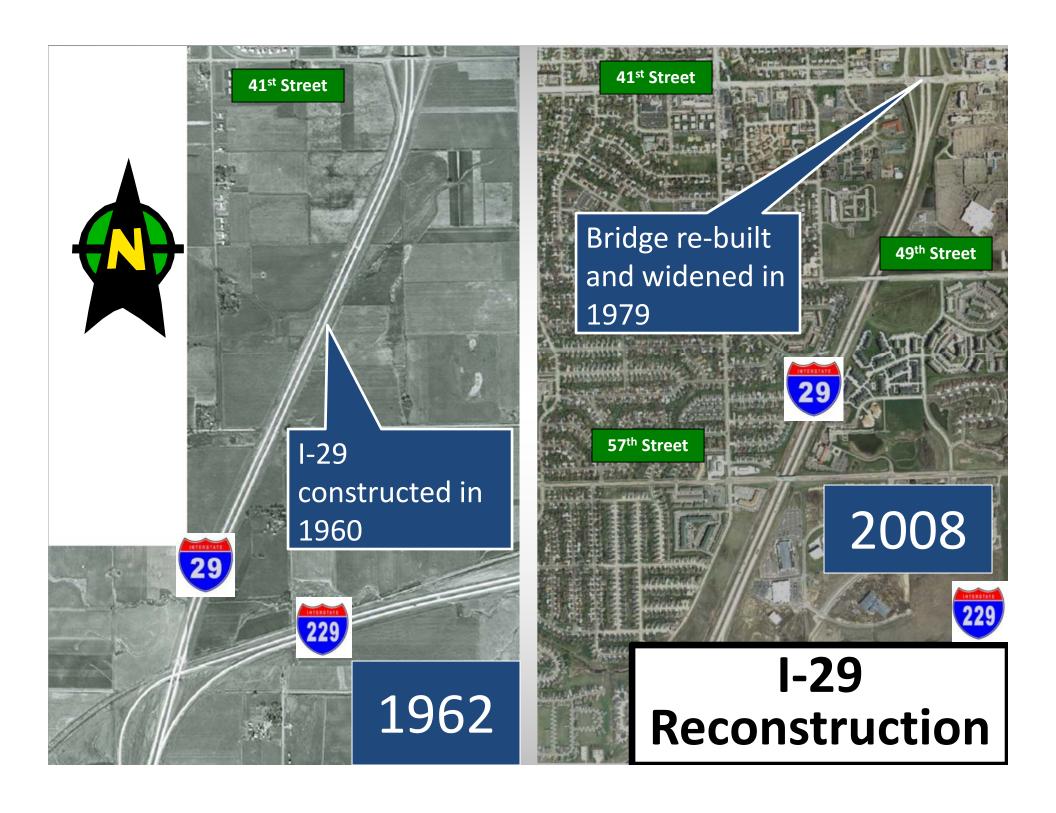
- Add auxiliary lane from 57th St to 26th St
- Reconstruct existing through lanes
- Begin construction in 2011



I-29 Reconstruction Project

Noise wall construction in 2011

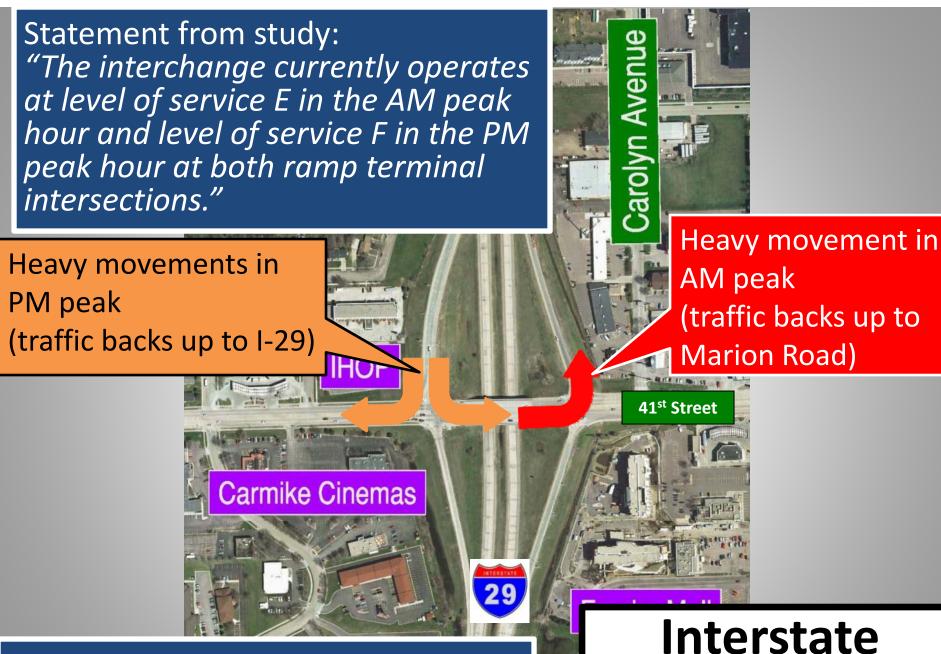




2010 SDDOT Interstate Study

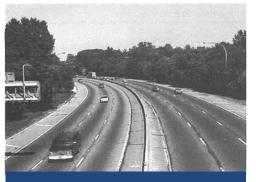
- Study is done every 10 years.
- Entire interstate system in SD is analyzed.
- Deficiencies are determined.
- •Improvements are recommended.
- Analysis is from "30,000 foot level".

I-29 Exit 77 (41st Street) Crossroad Corridor Study will develop and analyze interchange options in adequate detail to recommend the most technically feasible option(s).



Traffic will increase by year 2035.

Interstate Study



A – Normal speeds, large gaps between vehicles



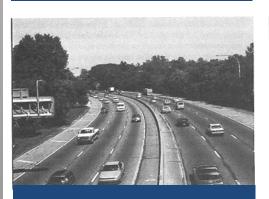
D – Slightly reduced vehicle speeds, no delays



B – Normal speeds, smaller gaps between vehicles



E – Reduced vehicle speeds, some delays



C – Normal speeds, no delays

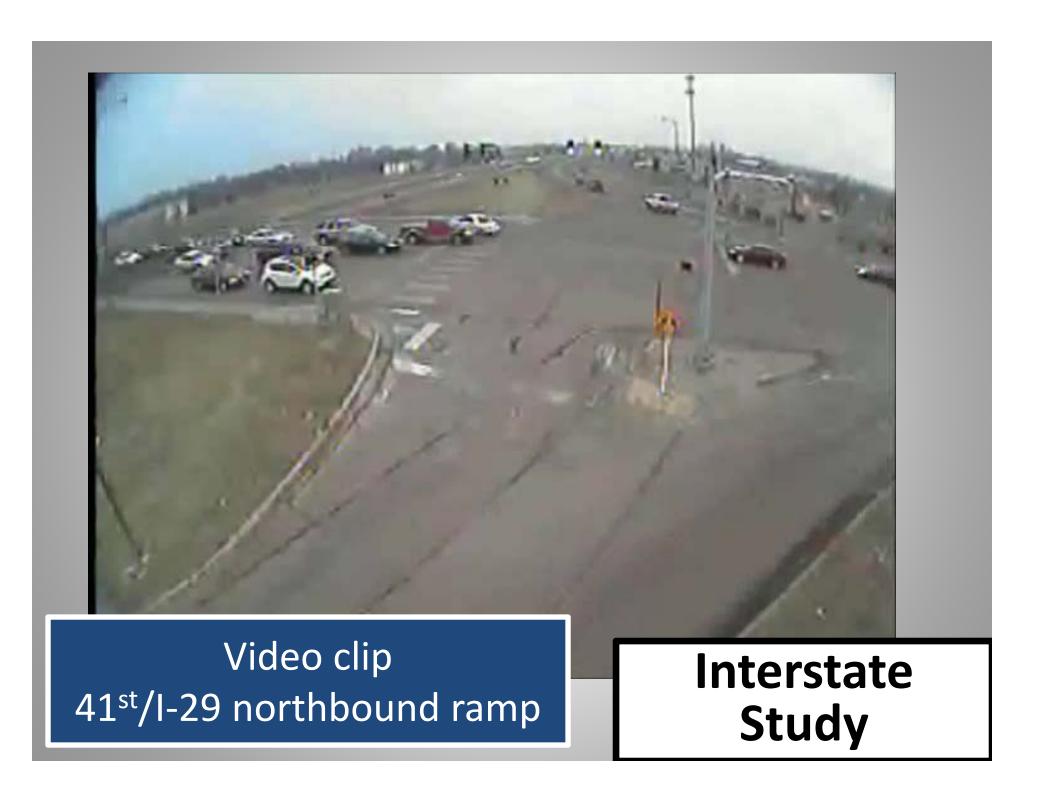


F – Stop and go conditions, long delays

Level of Service Summary

Source: Highway Capacity Manual

Interstate Study



Interchange Options

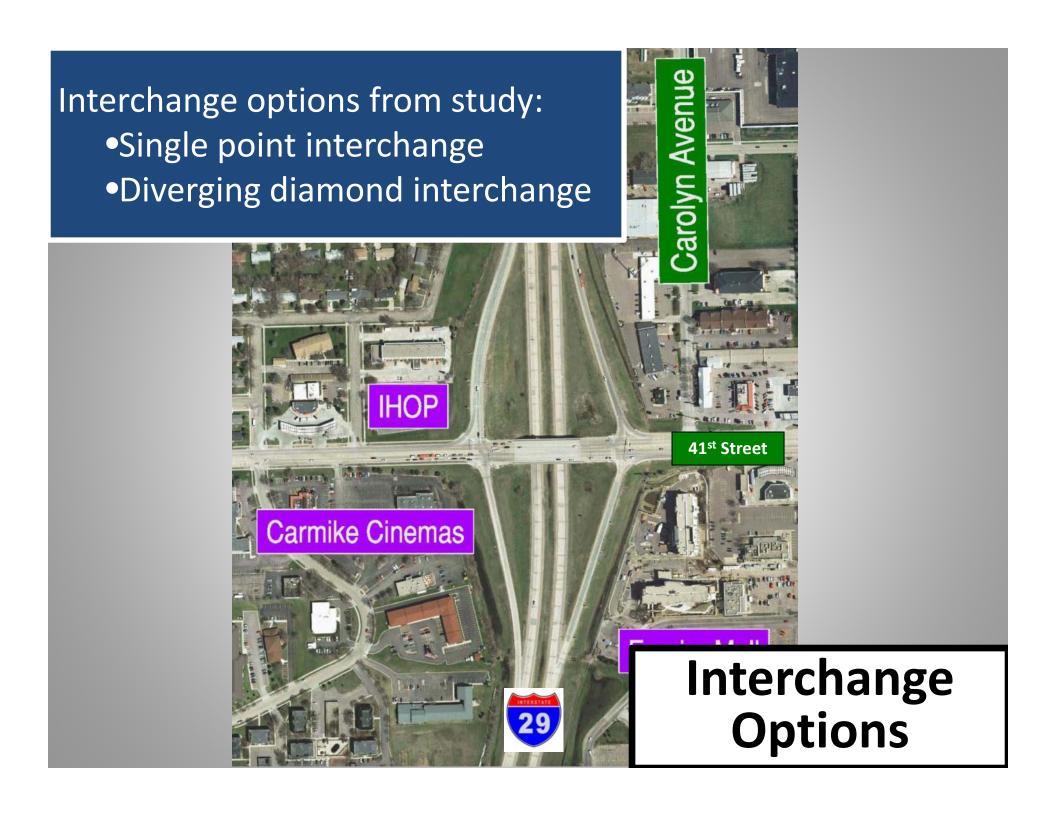
Criteria:

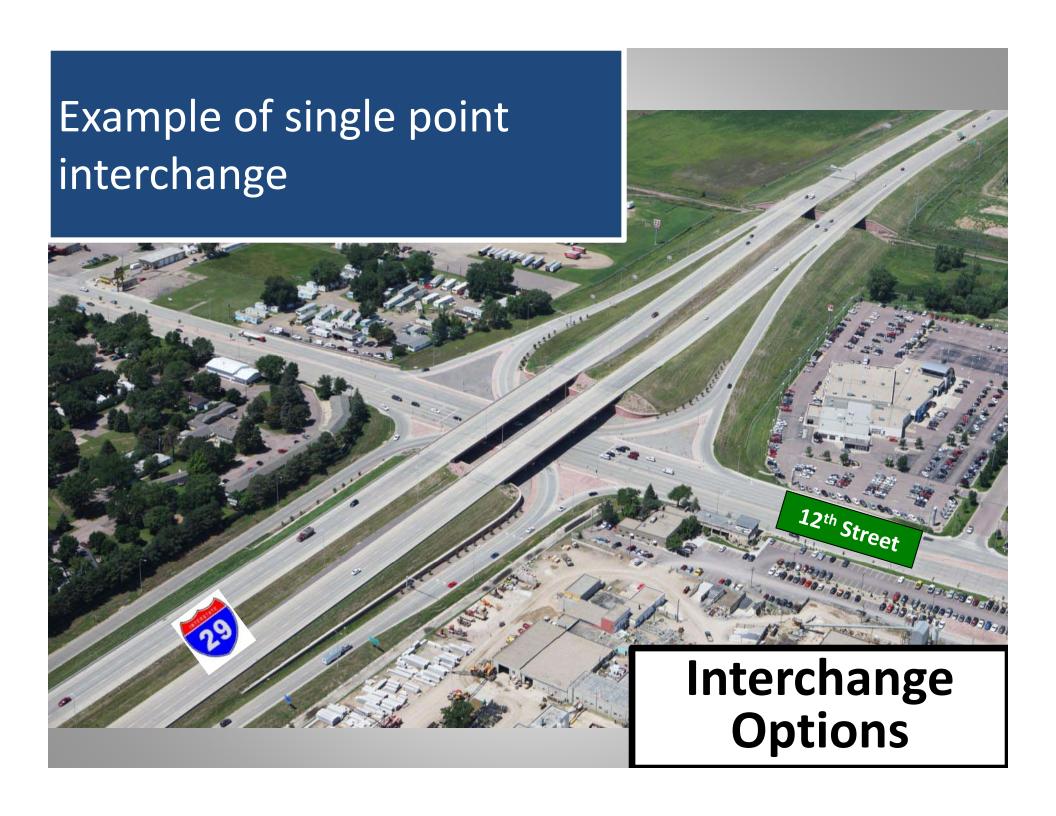
- •Provide acceptable level of service for future conditions.
- Minimal or no property impacts

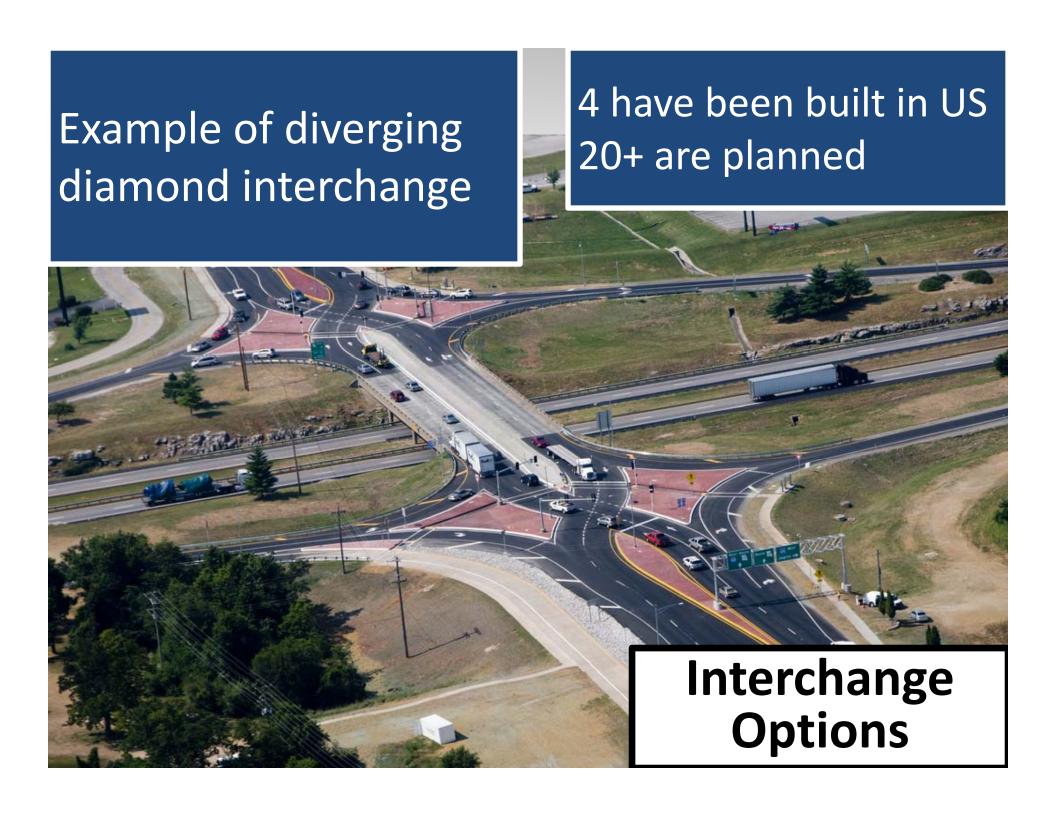
Timeframe:

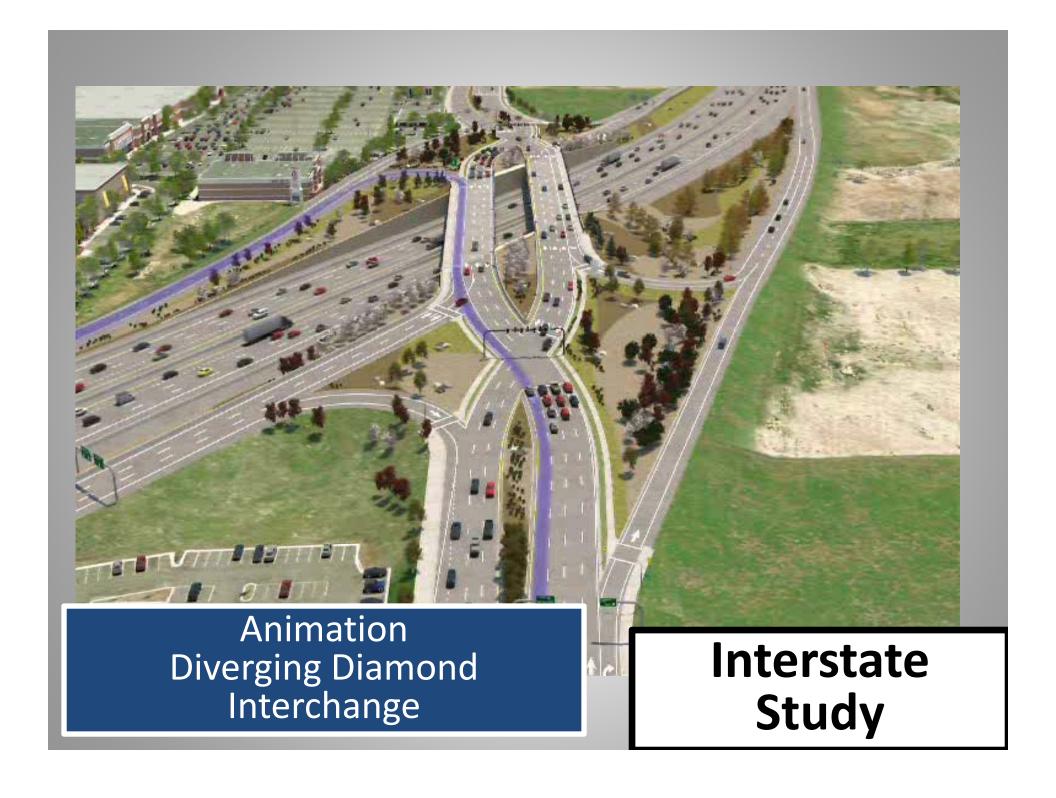
- Unknown
- Existing bridge has many years of service life.

Interchange Options

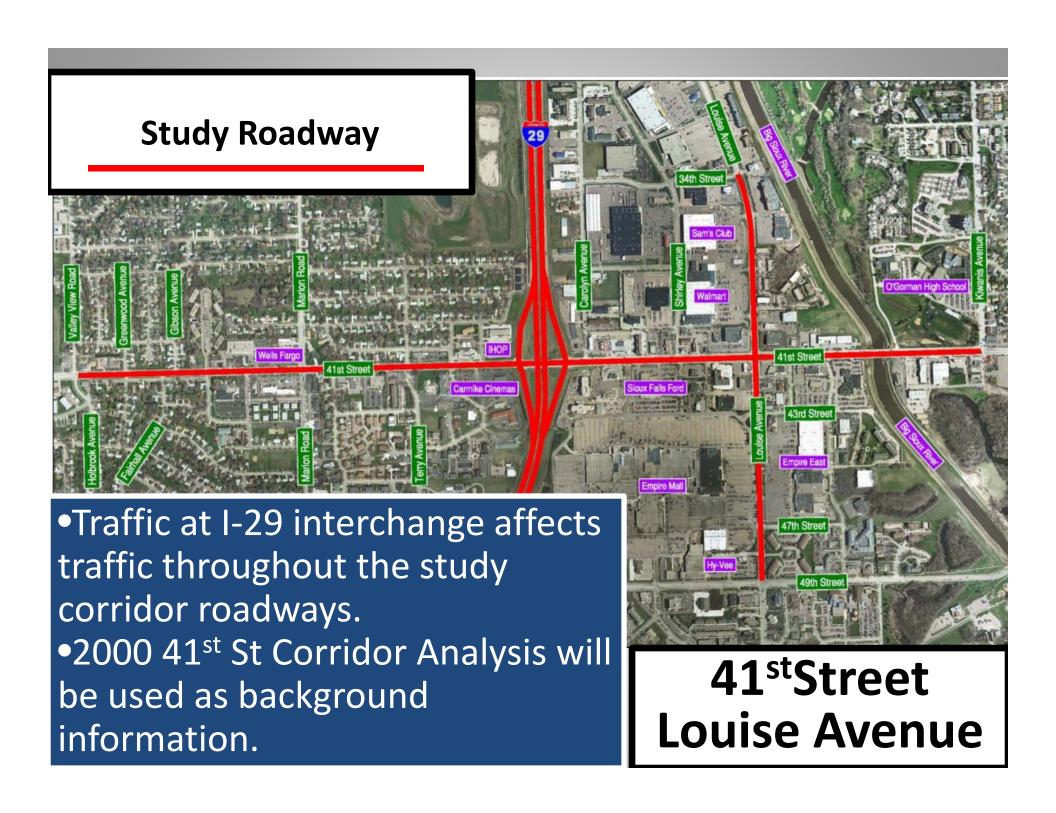








41st Street/Louise Avenue Considerations



Primary Considerations

Capacity

Safety

Access

Other Considerations

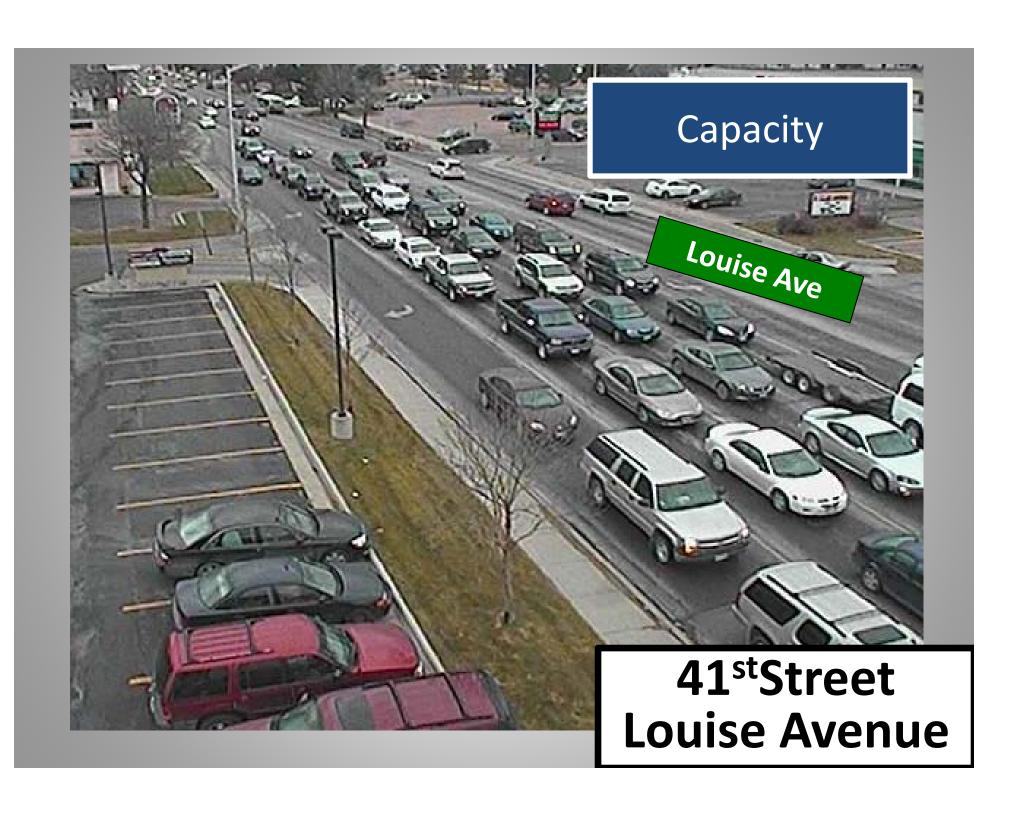
Pedestrians and bicyclists

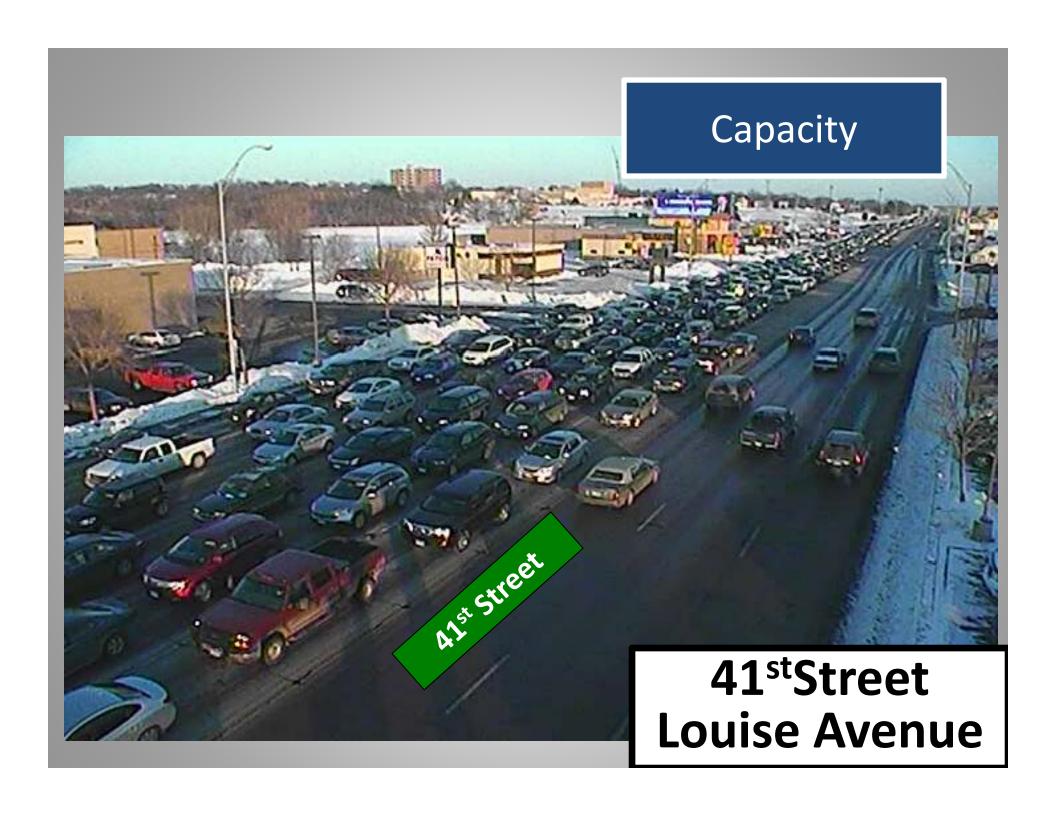
Transit

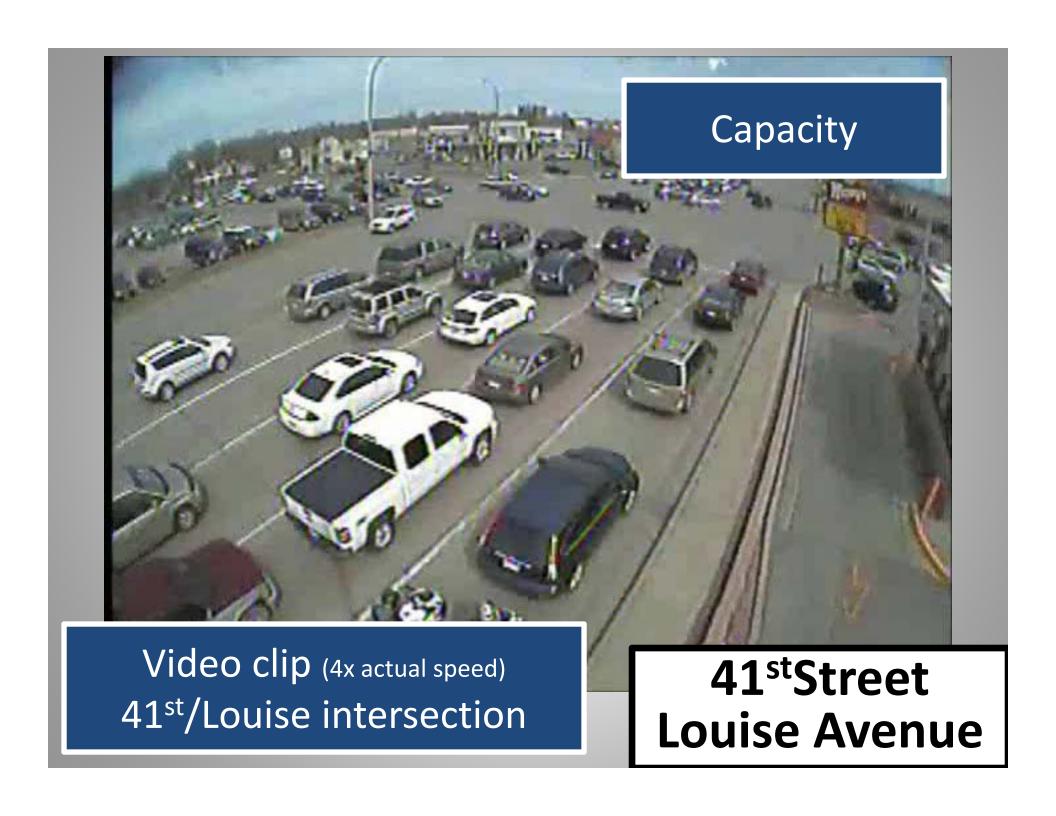
Aesthetics

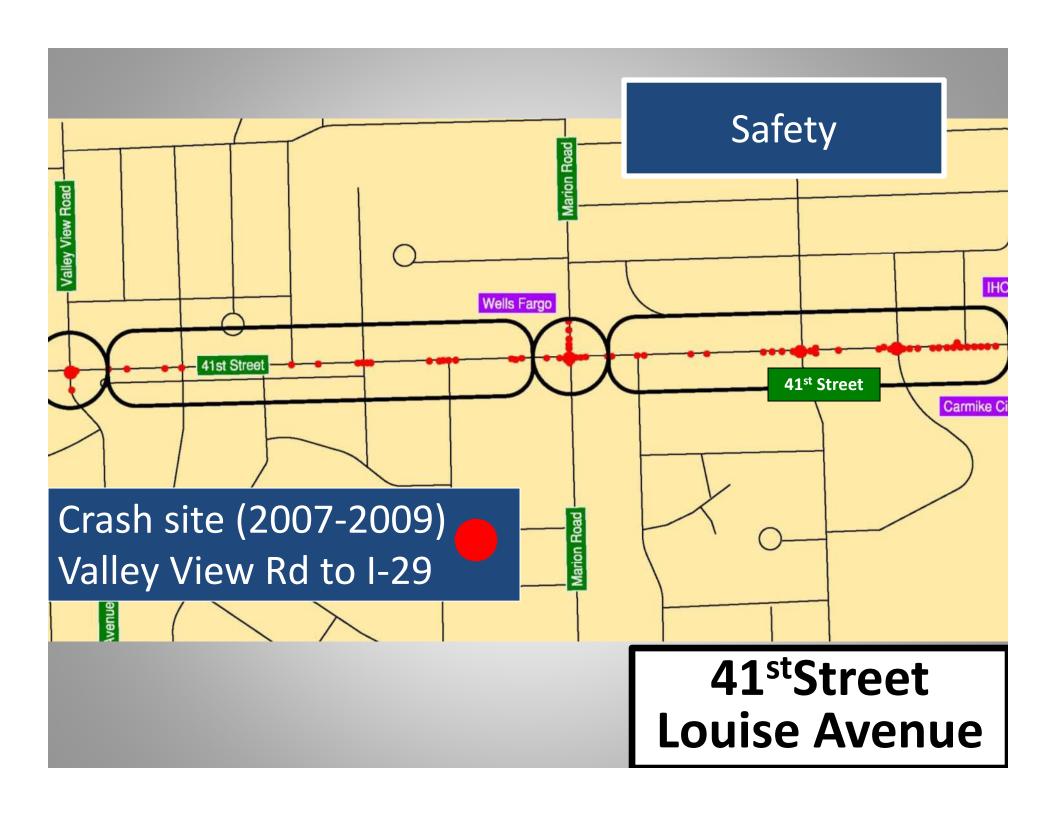
Timeframe: 5 to 20 years

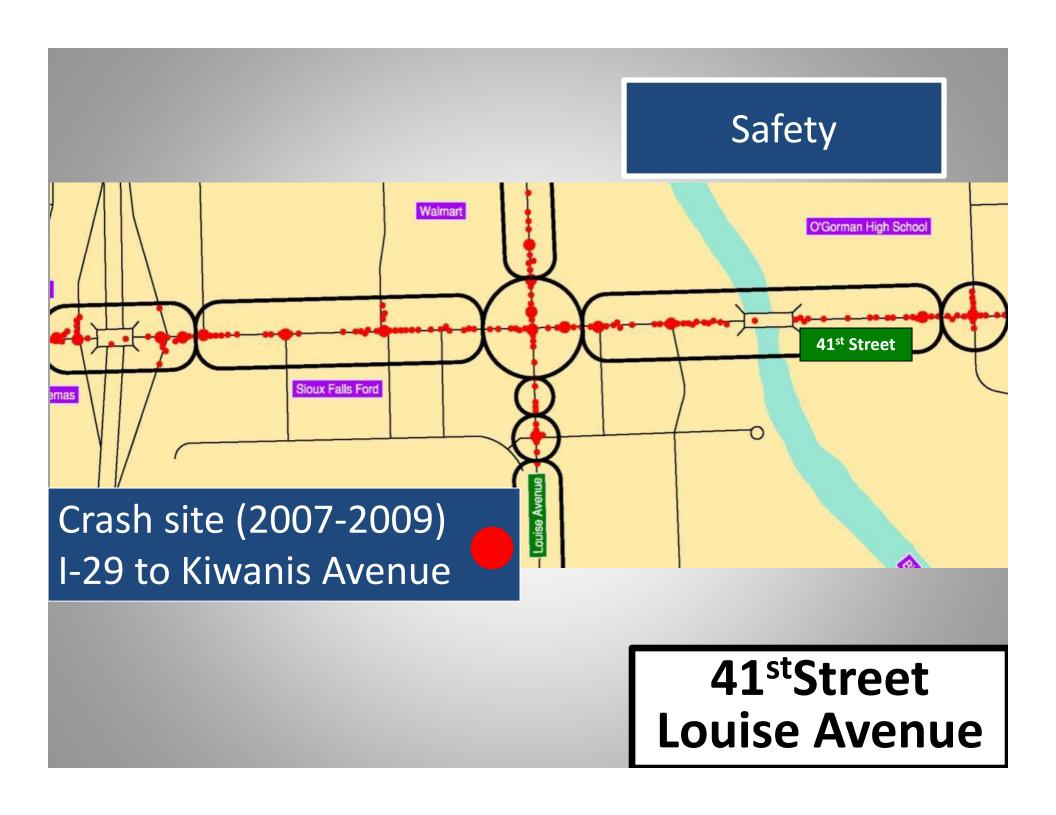
41stStreet Louise Avenue

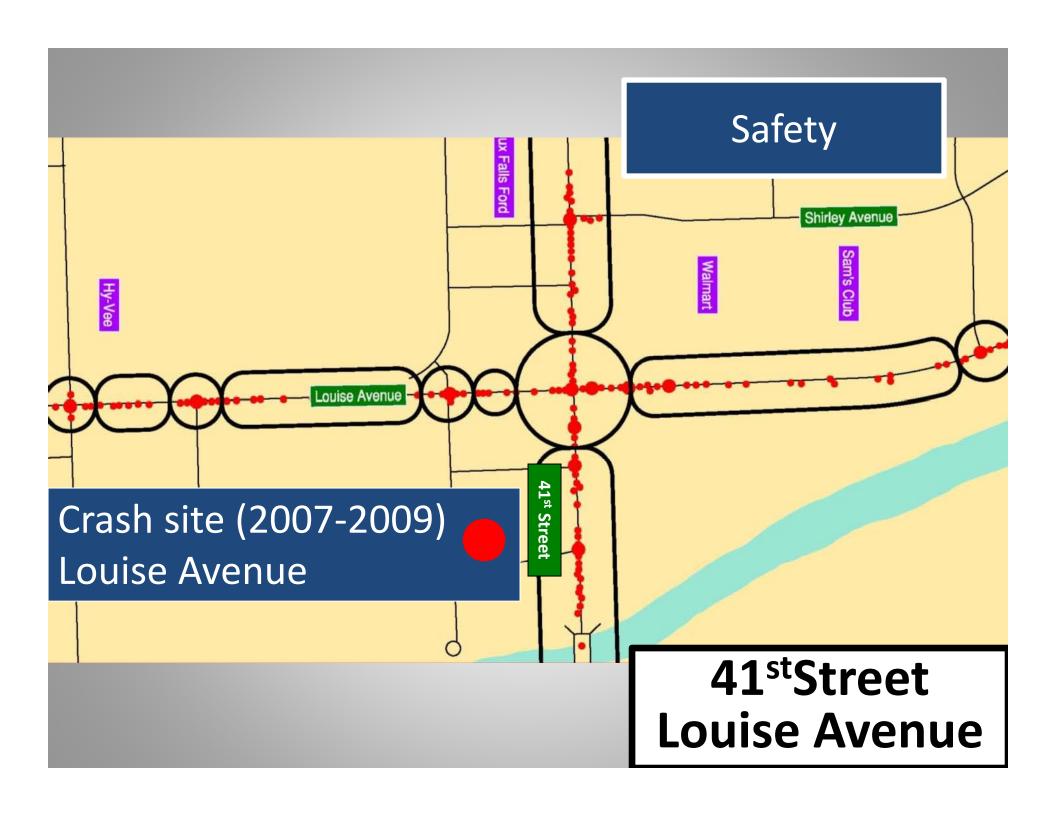




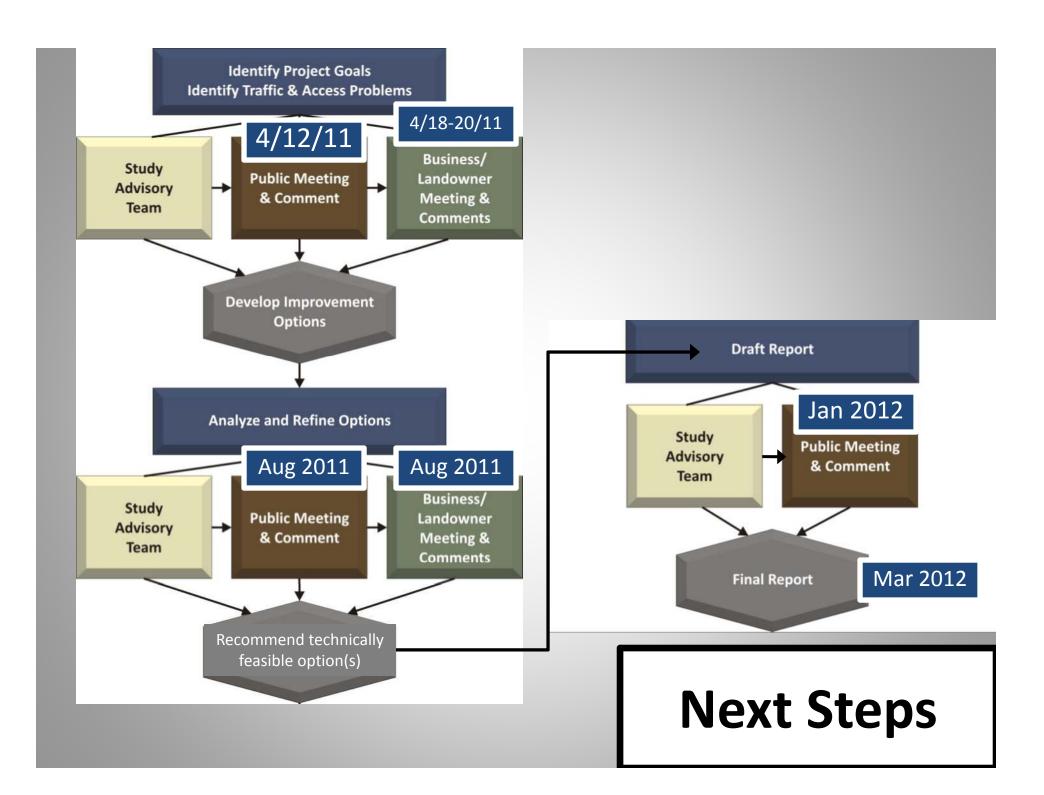






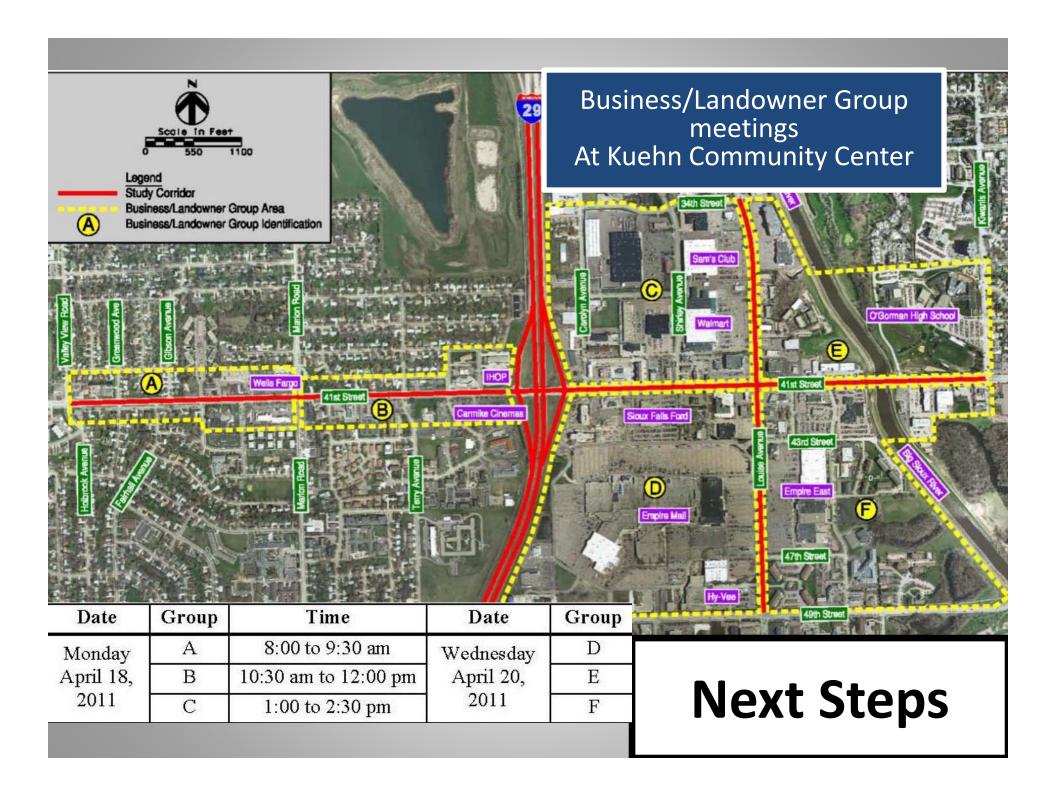


Next Steps





Next Steps



Business/Landowner Group meetings

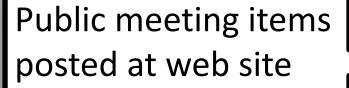
Preparation

To prepare for the public open house and the follow-up business/landowner group meeting please:

- 1. Watch traffic flow on 41st Street and/or Louise Avenue near your business / property during peak traffic periods
- 2. Watch how vehicles enter and exit your site and note the difficulties they encounter
- 3. Watch how traffic circulates within your site
- 4. Observe difficulties that pedestrians encounter along 41st Street and Louise Avenue
- 5. Formulate specific ideas for improving:
 - Traffic flow on the roadways
 - Safety for drivers, pedestrians, and transit users
 - Access to and circulation within your business site or property

Next Steps

Information Sheet









Information Sheet for Public Information Open House I-29 Exit 77 (41st Street) Crossroad Corridor Study April 12, 2011



Ouestions and Answers

Question: What is the purpose of the study?

Answer: The I-29 Exit 77 (41st Street) Crossroad Corridor Study will be a guidebook for roadway and access improvements over the next 5 to 20 years for 41st Street, Louise Avenue, and the I-29/41st Street interchange.

Question: Why change the existing I-29 interchange at 41st Street?

Answer: In the morning rush hour, eastbound 41st Street traffic often backs up to Marion Road. In the evening rush hour, the I-29 southbound off-ramp traffic often backs up onto I-29. These conditions lead to unacceptable delays and safety concerns for drivers. As traffic levels continue to increase, the traffic concerns at the 41st Street/I-29 ramp intersections will continue to

Question: How can you improve the I-29/41st Street interchange?

Answer: Different types of interchanges will be the types of interchanges types that efficiently name rarge volumes of left-turning traffic. The single point interchange (e.g. I-29/12th Street) and the diverging diamond interchange are expected to fit within the existing roadway right-of-way and would efficiently handle the traffic at the I-29/41st Street interchange.

Question: Why study the 1-29 interchange and 41st Street and Louise Avenue?

Answer: Page 2 of this Information Sheet shows the limits of the corridor study roadways. From a traffic perspective, all of these roadways tend to operate together as a system. Problems in one area generally affect the rest of the study area roadways. Likewise, improvements in one area would generally affect the rest of the study area roadways. So it makes sense for the study to include 41st Street from Valley View Road to Kiwanis Avenue and Louise Avenue from 49th Street to 34th Street.

Question: Will previous studies be taken into account?

Answer: The 2010 South Dakota Interstate Corridor
Study identified options for improving the I-29/41st
Street interchange; those options will be refined and
analyzed in detail in this study. The recommendations
from the 2000 41st Street Corridor Analysis will also be
considered in this study.

Other considerations include pedestrians, transit, and aesthetics. The corridor study will identify where problems exists and options for improvements.

Question: What is the timeframe for improvements?

Answer: Reconstruction and expansion of I-29 from 26th Street to 57th Street begins this year (2011). At this point, there is no specific timeframe for any other significant improvements of study area roadways. The corridor study will identify the potential timeline and sequence for improvement options. Maintenance work on 41st Street and Louise Avenue will continue to be done in upcoming years to keep the driving surface in good condition.

Question: Will any business access changes be considered in the transportation study?

Answer: With all of the commercial land use along 41st Street and Louise Avenue, providing good access to businesses is a primary consideration. A goal of the study process is to work in partnership with business/landowners to identify existing access problems and feasible solutions to these problems.

Next Steps

April 18 and 20, 2011

Meet with business/landowner groups

April 26, 2011

Public meeting comments due

May to July 2011

Develop and analyze improvement options

August 2011

Public meeting #2

Meet with business/landowner groups

September to December 2011

Prepare draft corridor study

January 2012

Public meeting #3

March 2012

Prepare final corridor study

More Questions?

Contact:

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 James Unruh, PE
 Shannon Ausen, PE

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 City of Sioux Falls

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 6300 S Old Village PI.
 PO Box 7402

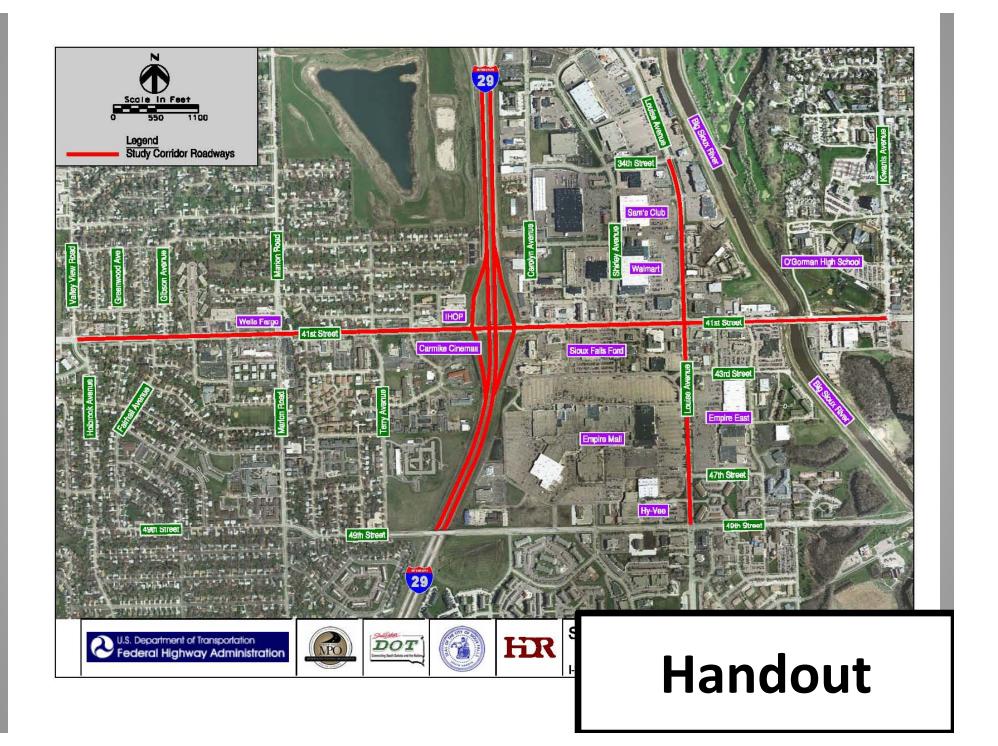
 Pierre, SD 57501
 Sioux Falls, SD 57108
 Sioux Falls, SD 57107

 Phone: 773-6641
 Phone: 977-7740
 Phone: 367-8601

See also project web site at:

http://www.sddot.com/pe/projdev/planning ss I29Exit77.asp

Answer: The primary transportation related considerations will be roadway capacity, safety, and access.



Comment Card

1-29 Exit 77 (41st Street) Crossroad Corridor Study

Public Meeting/Open House April 12, 2011

Commen	s:
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_	_
Name: _	Address:
F	or your comments to be considered, please return by April 26, 2011. Comments can also be e-mailed to: james.unruh@hdrinc.com

From:

PLACE POSTAGE HERE

HDR, Inc. 6300 South Old Village Place, Suite 100 Sioux Falls, SD 57108

ATTN: James Unruh

Comment Cards

Questions and Comments

Thanks for your attendance!!!